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File: USPT

May 20, 2003

US-PAT-NO: 6567745

DOCUMENT-IDENTIFIER: US 6567745 B2

TITLE: System and method for distributed navigation service

DATE-ISSUED: May 20, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Fuchs; Axel</u>	Park Ridge	IL		
Bullock; James Blake	Gilbert	AZ		
Gee; Robert A.	Tempe	AZ		
Gonsalves; Stanislaus	Elgin	IL		
Kohley; Jeffrey	Carol Stream	IL		
McNulty; Mark	Carol Stream	IL		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Motorola, Inc.	Schaumburg	IL			02

APPL-NO: 10/ 184755 [PALM]

DATE FILED: June 28, 2002

## PARENT-CASE:

RELATED U.S. APPLICATION DATA Continuation of Ser. No. 09/667,354, Sep. 22, 2000, now issued as U.S. Pat. No. 6,421,607.

INT-CL: [07] G01 C 21/00

US-CL-ISSUED: 701/209; 701/211, 340/988

US-CL-CURRENT: 701/209; 340/988, 701/211

FIELD-OF-SEARCH: 701/25, 701/117, 701/118, 701/119, 701/201, 701/209, 701/211, 340/905, 340/988, 340/990, 340/995

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

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US-CL

4812843

March 1989

Champion, III et al.

<input type="checkbox"/>				
<input type="checkbox"/>	<u>5760713</u>	June 1998	Yokoyama et al.	
<input type="checkbox"/>	<u>5790974</u>	August 1998	Tognazzini	
<input type="checkbox"/>	<u>6421607</u>	July 2002	Gee et al.	701/209

ART-UNIT: 3661

PRIMARY-EXAMINER: Beaulieu; Yonel

ATTY-AGENT-FIRM: Wills; Kevin D.

ABSTRACT:

A distributed navigation system and method for providing driving instructions to a user. The system includes a service center having a navigation server and associated workstations. The service center stores driving instructions in a continuously updated map database. ~~In response to a user request the instructions are transmitted by way of a wireless network to a client device residing in the user vehicle.~~ The instructions are assembled into sequential stepwise driving directions and stored in a storage device in the client device. Commands from the user trigger playback of the driving instructions in a stepwise fashion.

20 Claims, 4 Drawing figures

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Detailed Description Text (4):

A vehicle client device 10 is located in the vehicle 8 (generally depicted by the dashed lines at reference character 8). As shown in more detail in FIG. 2, the client device 10 includes a voice command and control system 12. The voice command and control system 12 provides automatic voice recognition of voice communication from the user. The voice command and control system 12 processes voice communications to determine whether a spoken word or speech pattern matches any of the stored grammars or vocabulary. When the system 12 identifies a speech pattern, the system sends an output signal to implement the specific function associated with the specific pattern to the audio decoding and playback portion 14. Many or all of the functions capable of being effected by the voice command system 12 are capable of being controlled by control buttons 18 on the client device.

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